

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P639776

Luminaire Tested: GWS-SA5C-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17140.4 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

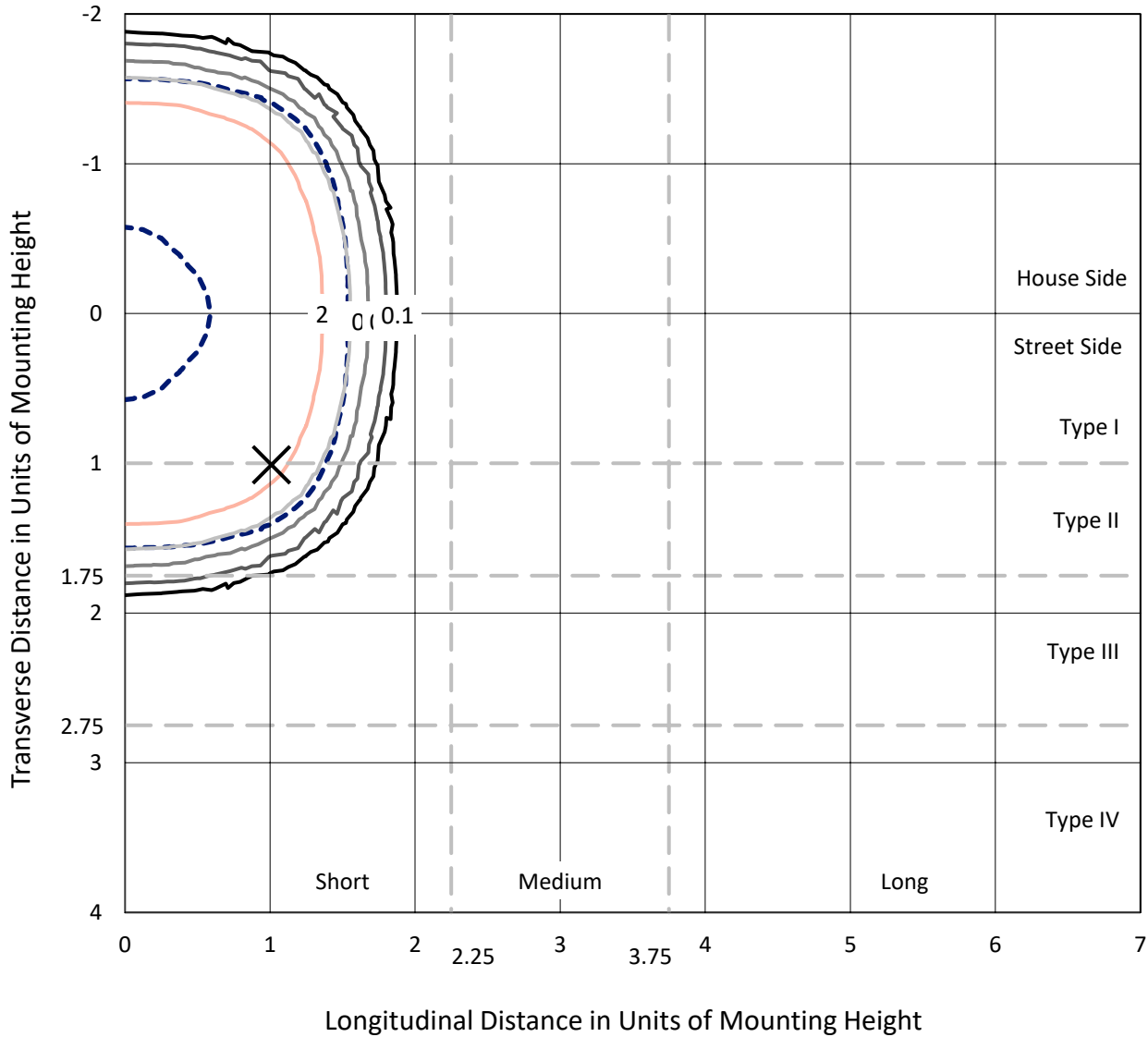
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

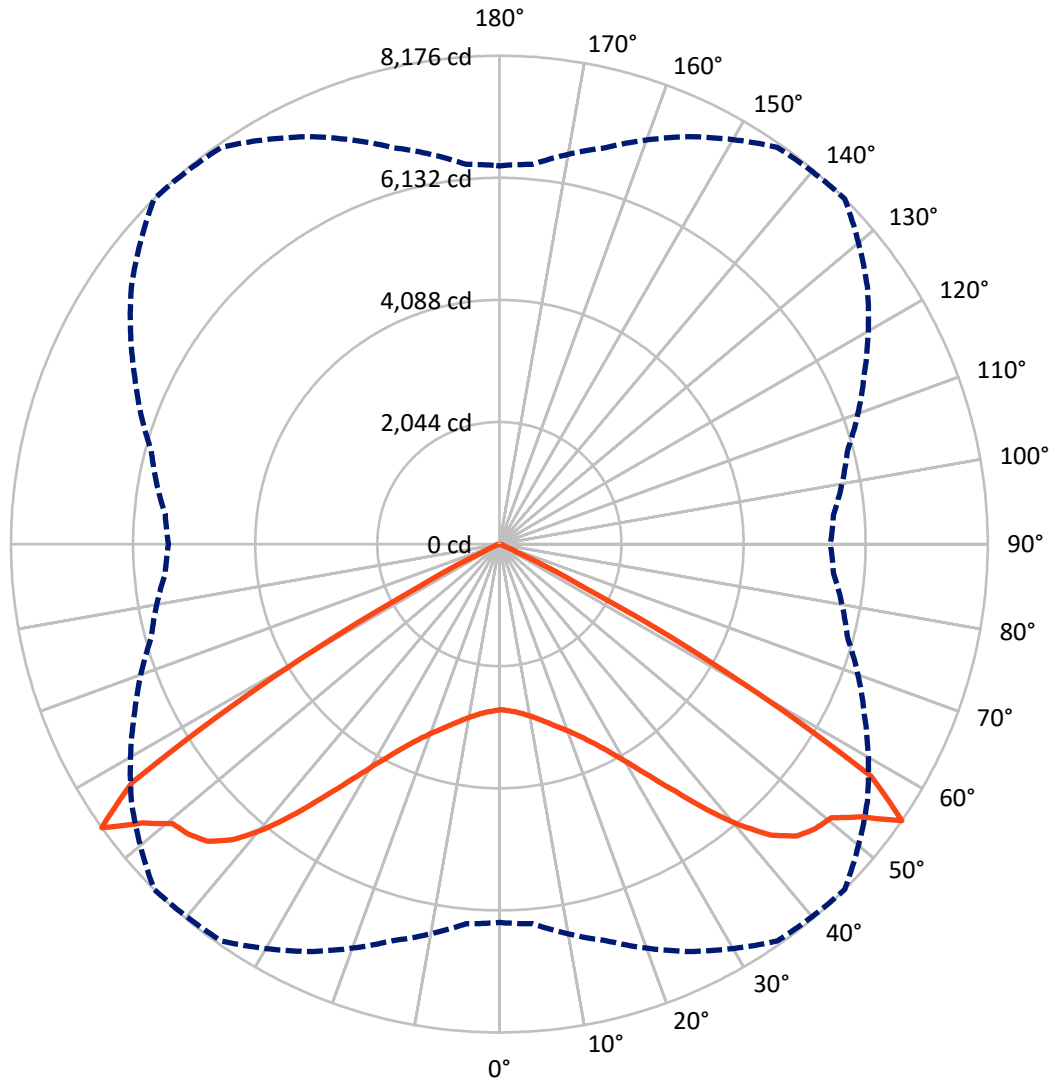
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8570.2	0.0	8570.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8570.2	0.0	8570.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	17140.4	0.0	17140.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.5	1.6
10°-20°	880.1	5.1
20°-30°	1704.5	9.9
30°-40°	3053.8	17.8
40°-50°	5119.9	29.9
50°-60°	5480.6	32.0
60°-70°	602.2	3.5
70°-80°	26.5	0.2
80°-90°	1.2	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	17140.4	100.0
0°-180°	17140.4	100.0

Coefficient of Utilization



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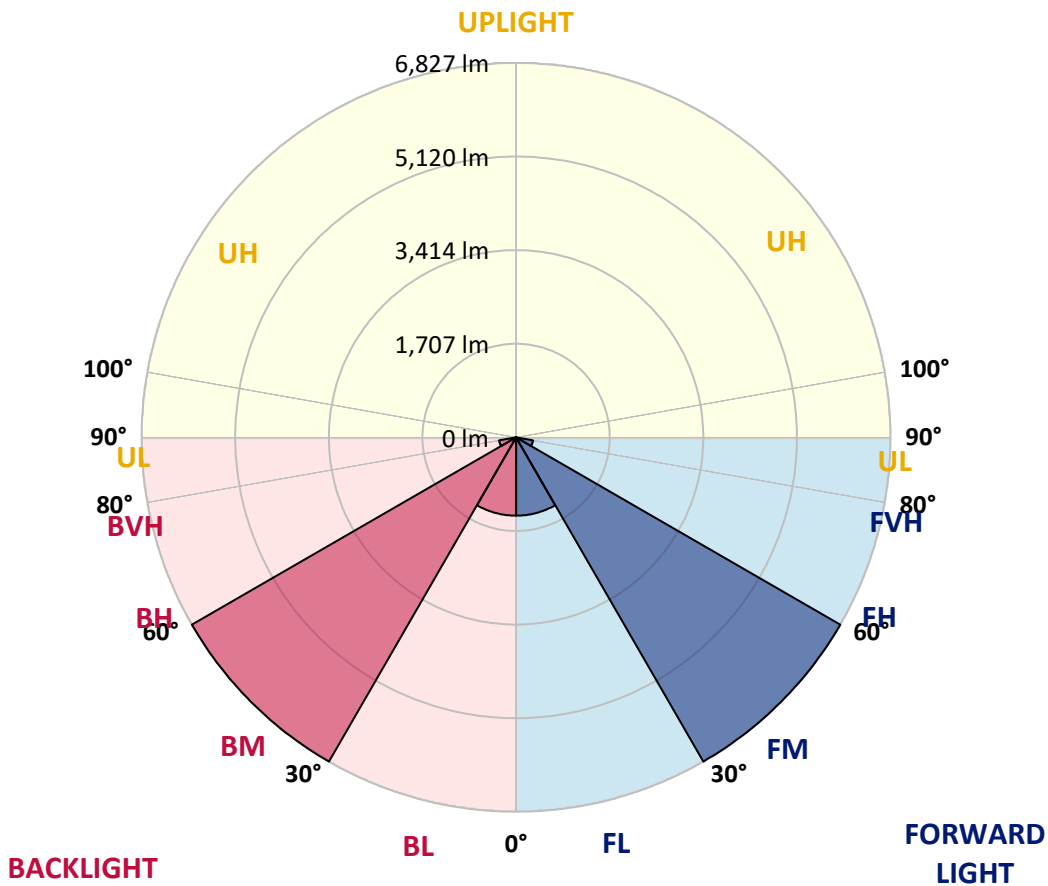
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1428.1	8.3			
FM (30°-60°)	6827.1	39.8			
FH (60°-80°)	314.4	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1428.1	8.3	B3/2500		
BM (30°-60°)	6827.1	39.8	B4/8500		
BH (60°-80°)	314.4	1.8	B1/500		G0/660
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2771.3	2771.3	2771.3	2771.3	2771.3	2771.3	2771.3	2771.3	2771.3	2771.3	2771.3
2.5°	2766.0	2766.0	2773.0	2778.3	2778.3	2792.2	2787.0	2781.7	2781.7	2774.8	2788.7
5°	2806.2	2804.5	2811.4	2814.9	2807.9	2821.9	2813.2	2807.9	2804.5	2797.5	2811.4
7.5°	2849.9	2851.6	2853.3	2860.3	2856.8	2870.8	2863.8	2853.3	2849.9	2839.4	2853.3
10°	2902.2	2902.2	2905.7	2914.5	2916.2	2933.7	2926.7	2914.5	2904.0	2893.5	2907.5
12.5°	2968.6	2970.3	2975.6	2987.8	2994.8	3014.0	3003.5	2979.1	2963.4	2951.1	2966.9
15°	3064.6	3062.9	3069.9	3087.3	3096.1	3110.0	3094.3	3061.1	3041.9	3028.0	3038.4
17.5°	3169.4	3169.4	3172.9	3190.4	3202.6	3223.5	3204.3	3164.2	3146.7	3127.5	3138.0
20°	3284.7	3289.9	3293.4	3305.6	3326.6	3347.5	3331.8	3291.6	3272.4	3248.0	3260.2
22.5°	3436.6	3431.3	3433.1	3454.0	3483.7	3504.7	3492.5	3445.3	3412.1	3392.9	3399.9
25°	3606.0	3604.2	3609.5	3640.9	3674.1	3696.8	3679.3	3618.2	3585.0	3551.8	3565.8
27.5°	3813.8	3815.5	3819.0	3857.4	3909.8	3943.0	3899.3	3838.2	3792.8	3749.2	3759.6
30°	4060.0	4056.5	4067.0	4119.4	4196.2	4248.6	4197.9	4112.4	4047.8	4005.9	4011.1
32.5°	4321.9	4325.4	4353.4	4437.2	4538.5	4631.0	4528.0	4414.5	4330.7	4252.1	4262.6
35°	4604.8	4613.5	4676.4	4800.4	4966.3	5090.3	4947.1	4760.2	4641.5	4540.2	4543.7
37.5°	4938.3	4959.3	5046.6	5231.7	5469.2	5635.1	5425.5	5177.6	5023.9	4898.2	4889.5
40°	5376.7	5401.1	5519.8	5739.9	6028.0	6179.9	5937.2	5682.2	5491.9	5355.7	5334.7
42.5°	5879.6	5911.0	6040.2	6265.5	6553.6	6656.6	6419.2	6204.4	6033.2	5872.6	5865.6
45°	6447.1	6464.6	6569.3	6742.2	6950.0	6974.5	6796.3	6677.6	6504.7	6354.5	6342.3
47.5°	6979.7	6997.2	7068.8	7157.8	7206.7	7119.4	7088.0	7035.6	6812.1	6627.0	6588.5
50°	7384.8	7398.8	7487.8	7522.8	7386.6	7201.5	7262.6	7150.8	6908.1	6700.3	6640.9
52.5°	7356.9	7391.8	7620.6	7819.6	7734.1	7583.9	7419.7	7178.8	6801.6	6516.9	6443.6
55°	6333.6	6380.7	6871.4	7526.3	8111.3	8175.9	7519.3	6742.2	6033.2	5615.9	5540.8
57.5°	4070.5	4082.7	4681.7	5600.2	6918.6	7334.2	6235.8	5083.3	4201.4	3742.2	3710.7
60°	1496.5	1472.1	1924.3	2685.7	3984.9	4425.0	3670.6	2570.5	1833.5	1508.7	1482.6
62.5°	359.7	363.2	450.5	675.8	1250.3	1547.2	1222.4	682.8	434.8	365.0	361.5
65°	181.6	178.1	179.9	193.8	267.2	319.6	261.9	185.1	178.1	179.9	178.1
67.5°	117.0	115.3	118.7	120.5	118.7	111.8	110.0	113.5	113.5	115.3	111.8
70°	71.6	69.8	73.3	78.6	75.1	66.4	69.8	73.3	69.8	68.1	68.1
72.5°	38.4	38.4	41.9	45.4	41.9	38.4	38.4	40.2	38.4	38.4	38.4
75°	17.5	17.5	19.2	21.0	17.5	17.5	17.5	17.5	17.5	17.5	17.5
77.5°	5.2	5.2	7.0	7.0	5.2	5.2	5.2	5.2	7.0	7.0	7.0
80°	1.7	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)